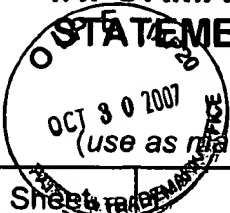


Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/669,877
		Filing Date	09/27/2000
		First Named Inventor	Mills
		Group Art Unit	1745
		Examiner Name	Kalafut
Sheet 1	of 50	Attorney Docket Number	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
/SK/		3,462,622		Cann et al.	08-1969	
		4,000,036		Ensley	12-1976	
		4,095,118		Rathbun	06-1978	
		4,149,931		Christensen	04-1979	
		4,202,004		Anderson	05-1980	
		4,464,990		Bendler	08-14-1984	
		4,488,490		Betts	12-18-1984	
		4,694,755		Ibarra	10-22-1987	
		4,792,725		Levy et al.	12-1988	
		5,273,635		Gernert	12-28-1993	
		5,449,434		Hooke et al.	09-1995	
		5,577,090		Moses	11-1996	
		5,669,975		Ashtiani	09-1997	
		5,761,481		Kadoch et al.	06-1998	
		5,801,971		Ohta	09-1998	
		5,819,073		Nakamura	10-1998	
		5,838,760		Moses	11-1998	
V		5,864,322		Pollon et al.	01-1999	
/SK/		5,883,005		Minton et al.	03-1999	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	09/669,877	
				Filing Date	09/27/2000	
				First Named Inventor	Mills	
				Group Art Unit	1745	
Examiner Name	Kalafut					
Sheet	2	of	46	50	Attorney Docket Number	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
/SK/		5,888,414		Collins et al.	03-1999	
		5,969,470		Druz et al.	10-1999	
		6,024,935		Mills, et al.	02-15-2000	
		6,064,154		Crouch et al.	05-2000	
		6,149,829		Takamatsu et al.	11-2000	
		6,150,755		Druz et al.	11-2000	
		6,151,532		Barone et al.	11-2000	
		6,444,137		Collins et al.	09-2002	
		6,551,939		Takamatsu et al.	04-2003	
		6,579,465		Takamatsu et al.	06-2003	
		6,690,705		Maksimov et al.	02-2004	
		7,188,033		Mills	03-06-2007	
		2001/0007725		Faris et al.	07-2001	
		2001/0008803		Takamatsu et al.	07-2001	
/SK/		2002/0133326		Chung et al.	09-2002	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>			
			Application Number	09/669,877		
			Filing Date	09/27/2000		
			First Named Inventor	Mills		
			Group Art Unit	1745		
Examiner Name	Kalafut					
Sheet	3	of	40	50	Attorney Docket Number	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Citation <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
/SK/		WO	99/26078	A1	Mills	5-27-1999		
		WO	00/07932	A2	Mills	2-17-2000		
		WO	01/095944	A2	Mills	12-20-2001		
		WO	01/18948	A1	Mills	3-15-2001		
		WO	01/21300	A2	Mills	03-29-2001		
		WO	01/22472	A2	Mills	3-29-2001		
		WO	01/70627	A3	Mills	08-27-2001		
		WO	02/08787	A2	De Geus	01-31-2002		
		WO	02/087291	A2	Mills	10-31-2002		
		WO	02/088020	A2	Mills	11-7-2002		
		WO	02/16956	A1	Mills	2-28-2002		
		WO	03/093173	A2	Mills	11-13-2003		
/SK/		WO	03/066516	A2	Mills	8-14-2003		

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	4	of	50	Attorney Docket Number	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Citation No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
/SK/		WO	04/092058	A2	Mills	10-28-2004		
↓		WO	05/041368	A2	Mills	10-6-2005		
		WO	05/067678	A2	Mills	7-28-2005		
		WO	2005/116630	A1	Mills	12-08-2005		
		WO	2007/051078	A1	Mills	05-03-2007		
/SK/		WO	2007/053486	A1	Mills	05-10-2007		
		<del>GB</del>	<del>2 343 204</del>		<del>Lloyd Wise, Tregear &amp; Co</del>	<del>05-10-2000</del>		
/SK/		JP	2002008892A		Shimazu	01-2002		

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

(GB '291 cited in paper no. 8)

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	5	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		S. Aaronson, "Hydrino Theory: Which Overturns Quantum Theory, Is in Turn Overturned by Doofusino Theory," < <a href="http://www.scottaaronson.com/writings/doofusino.html">http://www.scottaaronson.com/writings/doofusino.html</a> > (no date)	
/SK/		"Atomic Physics Progress Report 1995-1996" (internet page) <a href="http://atompc2.fysik.lth.se/AFDOCS/Progrep956/contents.asp">atompc2.fysik.lth.se/AFDOCS/Progrep956/contents.asp</a> (author and date unknown)	
/SK/		"Atomic Spectroscopy" (internet page) <a href="http://physics.nist.gov/Pubs/AtSpec/node20.html">physics.nist.gov/Pubs/AtSpec/node20.html</a> (author and date unknown)	
/SK/		Baard, Erik, "Hydrino Theorist Gets Nod From NASA-Funded Investigation Eureka?", <i>The Village Voice</i> , Dec. 6, 2002	
		<del>Baard, E. (1999) Dow Jones Newswires, October 6 reprint</del>	
/SK/		Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (Internet page) (Mar 1997) <a href="http://atompc2.fysik.lth.se/AFDOCS/Progrep956/5al.htm">atompc2.fysik.lth.se/AFDOCS/Progrep956/5al.htm</a> (Atomic Physics Progress Report) (1995-1996)	
		<del>Barth, "Digger Than Fire?", Gate Group Magazine DB, The Gate Group, 2000, Skeptic, Vol. 6, No. 4, (2001)</del>	
/SK/		R. W. Bass, "Email from Bob Bass to Randell Mills," August 6, 2000.	
		<del>Best, Ben. "The Copenhagen Interpretation of Quantum Mechanics." (internet page) <a href="http://www.benbest.com/science/quantum.html">www.benbest.com/science/quantum.html</a>. (no date listed)</del>	
/SK/		"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bulletin 09/29/2006, < <a href="http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&amp;BRD=2737&amp;PAG=461&amp;dept_id=57636&amp;rft=6">http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&amp;BRD=2737&amp;PAG=461&amp;dept_id=57636&amp;rft=6</a> >	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete If Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
Examiner Name	Kalafut				
Sheet	6	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		Bjorken et al., ""Relativistische Quantenmechanik", <i>Die Dirac-Gleichung</i> , pp. 22-25, 1964	
/SK/		"Blacklight Power - do they have something significant?" (internet page) www.phact.org/e/blp.htm (author and date unknown)	
/SK/		Blacklight Power, Inc., "Second Shareholder Newsletter '97" <http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html> (Oct 1997)	
/SK/		Blochinzew, <i>Grundlagen Der Quantenmechanik</i> , Veb Deutscher Verlag Der Wissenschaften, 1967	
		<del>Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L., Dr. Mills." (internet page) http://www.amazon.com/gp/product/product-description/0063547430/ref=dp_proddesc_0/403-5711659-8507030 (date unknown)</del>	
		<del>Brodowsky, "Solubility and diffusion of hydrogen on deuterium in Palladium and Palladium Alloys," Tech. Bulletin, England Indust., Vol. 7, No. 1-2 (1966), pp. 41-50.</del>	
		<del>Carolina, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i>, Vol 100, 1996, pp. 17866-17872. (cited in paper no. 8 as "Dery et al.")</del>	
		<del>Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. http://ocw.mit.edu/Ocw/Web/Chemistry/index.htm</del>	
		<del>"The Chemistry of Halogens," http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch10/group7.html</del>	
/SK/		CiteSeer, "Citations: Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," <i>Int. J. Hydrogen Energy</i> 26 (4) 2001, pg. 309-326 <http://citeseer.ist.psu.edu/comntext/1749692/449101> (no month)	
Examiner Signature	/Stephen Kalafut/		Date Considered
			12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	7	of	<del>50</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>Gellins, "Selling the Free Lunch," Scientific American, (Nov, 2002)</del>	
		<del>Gordon, et. al. "The Theory of Atomic Spectra." MacMillan Company: New York. 1935. pp. 44-78, 112-146.</del>	
		<del>Genrade, et. al. "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", Plasma Sources Science and Technology, submitted.</del>	
		<del>Conversion Table egs/SI Units: www.plasmaphysics.org.uk/convert.htm</del>	
		<del>Ovetanovic et. al. "Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen." Journal of Applied Physics 97. 18 January 2005.</del>	
/SK/		Dennis "Hidden Variables and Relativistic Tachyons" (internet page) www.objectivescience.com/articles/ed_tachy.htm (Date unknown)	
/SK/		Directory: Blacklight Power, From PESWiki "A Top 100 Energy Technology," <http://peswiki.com/index.php/Directory:Blacklight_Power> (no date)	
/SK/		EarthTech Reports, http://www.earthtech.org/experiments/blp/prelim.html (Dec 1997)	
/SK/		EarthTech Reports, http://www.earthtech.org/experiments/mills/mills1.html "Attempt to Observe Excess Heat in a Ni-H <sub>2</sub> O-K <sub>2</sub> CO <sub>3</sub> Electrolysis System-9OCT97" (Oct 1997)	
		<del>Evans Analytical Group, http://www.eag.com/tech.html#esca1</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
			12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete If Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	8	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS				
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
/SK/		EVANS Analytical Group. Product Descriptions: Time-of-Flight Secondary Mass Spectrometry (TOF-SIMS) and X-Ray Photoelectron Spectroscopy (XPS) Electron Spectroscopy for Chemical Analysis (ESCA). (no date or author listed)		
		<del>Dr. Ess, "History and Philosophy of Science," <a href="http://www.drury.edu/ess/philsci/bell.html">www.drury.edu/ess/philsci/bell.html</a></del>		
		<del>E-mail to Examiner Wayner from Jeffrey A. Simonauer, dated _____</del>		
/SK/		Fan et al., "X-ray photoelectron spectroscopy studies of CVD diamond films", <i>Surface and Interface Analysis</i> , 34:703-707, 2002 (no month)		
/SK/		Fischer. "Die optische Absorption der U <sub>2</sub> -Zentren in Alkalihalogeniden des BaCl-Typs," <i>Zeitschrift für Physik</i> , Vol 204, 1967, pp. 351-374. (no month)		
/SK/		M. Fowler, "The Lorentz Transformation," UVA Physics 252, < <a href="http://galileo.phys.virginia.edu/classes/252/lorentztrans.html">http://galileo.phys.virginia.edu/classes/252/lorentztrans.html</a> > (no date)		
		<del>Fusion Digest, "Gold Nuclear Fusion Bibliography," 1999.</del>		
		<del>Fusion Digest, "Heat? Neutrons? Charged Particles?," 1999.</del>		
/SK/		Gottfried, "Quantum electrodynamics: Matter all in the mind", (internet page) <a href="http://www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html">www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html</a> , 2002 (no month)		
/SK/		Gulyaev "Gigantic Atoms in Space" (internet page) <a href="http://www.astronomy.org.nz/events/month...reviews/2001/gigantic_atoms_in_space.htm">www.astronomy.org.nz/events/month...reviews/2001/gigantic_atoms_in_space.htm</a> (date unknown)		
Examiner Signature	/Stephen Kalafut/		Date Considered	12/09/2007



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete If Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	9	of	<del>44</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		The Harvard Crimson News: Academics Question the Science Behind Blacklight Power, Inc." < <a href="http://www.the.crimson.com/printerfriendly.aspx?ref=100939">http://www.the.crimson.com/printerfriendly.aspx?ref=100939</a> > (Oct 2007)	
		<del>He-II in Solar Spectrum</del>	
/SK/		Hines, "Scientific Mistakes: N-rays and Polywater", <i>Pseudoscience and the Paranormal</i> , Prometheus Books, 1988, pp. 8-13 (no month)	
		<del><a href="http://omm.hut.fi/optics/_e/2004/luonnot/spectroscopy.pdf">http://omm.hut.fi/optics/_e/2004/luonnot/spectroscopy.pdf</a></del>	
		<del><a href="http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.htm">http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.htm</a></del>	
/SK/		"Hydrino Theory," < <a href="http://en.wikipedia.org/wiki/hydrino_theory">http://en.wikipedia.org/wiki/hydrino_theory</a> > (no date)	
/SK/		"The Hydrogen Atom," < <a href="http://www.physics.nmt.edu/~raymond/classes/ph13xbook/node208.html">http://www.physics.nmt.edu/~raymond/classes/ph13xbook/node208.html</a> > (no date)	
/SK/		Hydrogen News 1999 < <a href="http://www.ch2bc.org/bulletin/bulletin19991112.htm">http://www.ch2bc.org/bulletin/bulletin19991112.htm</a> > (Nov 1999)	
/SK/		INRS-Energie at Materiaux XPS facility, <a href="http://goliath.inrs-ener.quebec.ca/tour/">http://goliath.inrs-ener.quebec.ca/tour/</a> (no date)	
		<del>"Italy: Gold Fusion &amp; Judge's Verdict," (1996), pp. 1-8, available at <a href="http://www.padrak.com/ine/cflibel.html">http://www.padrak.com/ine/cflibel.html</a>.</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	10	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>The Internet Encyclopedia of Philosophy, "Logical Positivism," <a href="http://iep.utm.edu/logpos.htm">http://iep.utm.edu/logpos.htm</a></del>	
		<del>Johansson, et. al. "A Model for the origin of the anomalous and very bright UV lines of Fe II in gaseous condensations of the star, Gamma." <i>Astronomy &amp; Astrophysics</i>, Volume 378 (2001) pp.266-278.</del>	
/SK/		Judge, "SHE-2 Latest Solar EUV Measurements"(internet page) <a href="http://www.usc.edu/dept/space_science/seh2data.htm">www.usc.edu/dept/space_science/seh2data.htm</a> , August 18, 1997	
		<del>Kovacevic et. al. "The Dynamic Response of the Plasma on the Dust Formation in Ar/C<sub>2</sub>H<sub>2</sub> RF Discharges." <i>International Conference on Phenomena in Ionized Gases</i> available at <a href="http://www.iopig.uni-greifswald.de/proceedings/data/kovacevic_1">http://www.iopig.uni-greifswald.de/proceedings/data/kovacevic_1</a>. (no date listed)</del>	
/SK/		Kreig "Hydrinos: A state below the ground state" (internet page) <a href="http://www.phact.org/e/x/hydrino.htm">www.phact.org/e/x/hydrino.htm</a> and <a href="http://www.freeenergies.org/bl/bwt/z/hydrino/hydrino.htm">http://www.freeenergies.org/bl/bwt/z/hydrino/hydrino.htm</a> (date unknown)	
		<del>Kuhn, H.G. "Atomic Spectra." Academic Press: New York, 1962. pp. 111-117.</del>	
		<del><a href="http://omm.hut.fi/optics/02004/luommo/optoelectronics.pdf">http://omm.hut.fi/optics/02004/luommo/optoelectronics.pdf</a></del>	
		<del><a href="http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molko.html">http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molko.html</a></del>	
		<del>F. Laloe, "Do we really understand quantum mechanics?" <i>Am. J. Phys.</i>, vol. 80(6), (June 2001), pp. 655-701.</del>	
		<del>"The Linear Stark Effect," University of Texas Lecture, <a href="http://farside.ph.utexas.edu/teaching/qm/perturbation/node8.html">http://farside.ph.utexas.edu/teaching/qm/perturbation/node8.html</a></del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
			12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete If Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	11	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>Luggenholcher et al., "Investigations on Electric Field Distributions in a Microwave Discharge in Hyrdogen", available at <a href="http://www.phys.tue.nl/ftdd/luggenhoelscher.pdf">http://www.phys.tue.nl/ftdd/luggenhoelscher.pdf</a> (date unknown)</del>	
		<del>Luque et. al. "Experimental research into the influence of ion dynamics when measuring the electron density from the Stark broadening of the H<math>\alpha</math> and H<math>\beta</math> lines." <i>Journal of Physics B: Atomic, Molecular, and Optical Physics</i>, Vol. 36. 2003. pp.1573-1584.</del>	
		<del>Marchese et. al. "The BlackLight Rocket Engine." Phase I Final Report, Rowan University: Glassboror, NJ. May1-November 30, 2002. available at <a href="http://www.niac.usra.edu/files/studies/finalreport">www.niac.usra.edu/files/studies/finalreport</a>. also available at <a href="http://engineering.rowan.edu/~marchese/">http://engineering.rowan.edu/~marchese/</a></del>	
		<del>"Material Hardness," <a href="http://www.celce.umd.edu/general/facilities/hardness_ad.htm">http://www.celce.umd.edu/general/facilities/hardness_ad.htm</a></del>	
/SK/		Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro distributed Power Applications", <i>IEEE Transactions on Plasma Science</i> , submitted. (no date)	
		<del>Morrison, "Review of Gold Fusion," <i>Sci. Phys. Rep.</i> 84, December 1991, pp. 1055-1060.</del>	
		<del>Morrison, "Gold Fusion Update No. 10," dated April 1, 1995, available at <a href="http://www.skypoint.com/members/slogajan/files/morrison.txt">http://www.skypoint.com/members/slogajan/files/morrison.txt</a>, pp. 1-8.</del>	
		<del>Nakhmanson. "The Ghostly Solution of the Quantum Paradoxes and its Experimental Verification." <i>Frontiers of Fundamental Physics</i>, Plenum Press, New York, 1994, pp. 501-596, <a href="http://arxiv.org/ftp/physics/papers/0103/0103006.pdf">http://arxiv.org/ftp/physics/papers/0103/0103006.pdf</a></del>	
		<del>NIST, "Atomic Spectroscopy - Spectral Line Shapes, etc.," available at: <a href="http://physics.nist.gov/Pubs/AtSpec/node20.html/">http://physics.nist.gov/Pubs/AtSpec/node20.html/</a></del>	
		<del>NIST's Physical Reference Data sheet, "Energy Levels of Hydrogen and Deuterium," &lt;URL&gt; <a href="http://physics.nist.gov/PhysRefData/HDEL/index.html">http://physics.nist.gov/PhysRefData/HDEL/index.html</a>&gt;</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
			12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	12	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		Odenthal et al., "The Zeeman Splitting of the 5876 Å Helium Line Studied by Means of a Turnable Dye Laser", <i>Physica</i> , pp. 203-216, 1982 (no month)	
		<del>Park, "Patent Nonsense, Court Denies BlackLight Power Appeal," What's New, September 6, 2002, available at www.aps.org.wn/wn02/wn090602.html.</del>	
/SK/		Park, What's New, Friday 03/17/2006	
/SK/		Park, What's New, Friday 01/13/2006	
/SK/		Park, What's New, Friday 04/26/1991	
		<del>Plasmaphysics.org. Conversion Table: egs/CG units. (internet page) www.plasmaphysics.org.uk/convers.htm. (no author or date listed)</del>	
		<del>Physics 200-04 course, "Pauli Spin Matrices," http://axon.physics.utoronto.ca/200-04/pauli-spin.pdf</del>	
		<del>Physics Web 08/06/2006, "Hydrogen results causes controversy"</del>	
/SK/		Powell et al. <i>Quantum Mechanics</i> , Addison-Wesley Publishing Co., Inc., pp. 205-229 and 478-482, 1961 (no month)	
		<del>Prop. to the United Press, "Theory May Explain 'Cold Fusion' Puzzle," Lexis Nexis Reprint, 1991.</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered 12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	13	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS				
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
		<del>Quantum Physics 301, "Paradoxes and Interpretation," <a href="http://www.teach.phy.bris.ac.uk/level3/phys30100/coursematerials/paradoxes.pdf">http://www.teach.phy.bris.ac.uk/level3/phys30100/coursematerials/paradoxes.pdf</a></del>		
/SK/		Real Climate, 20 January 2005, "Peer Review: A Necessary But Not Sufficient Condition," < <a href="http://www.realclimate.org/index.php?p=109">http://www.realclimate.org/index.php?p=109</a> >		
		<del>K. L. Ross, "Kantian Quantum Mechanics," <a href="http://www.frician.com/epsae-2.htm">http://www.frician.com/epsae-2.htm</a></del>		
		<del>Schaefer, "Das Ultrarote Spektrum Des U-Zentrums," <i>Phys. Chem. Solids</i>, 1966, Vol. 12, pp. 233-244, Pergamon Press, Great Britain.</del>		
/SK/		Shermer, "Baloney Detection", <i>Scientific American</i> , November 2001		
		<del>Shook, "A Pragmatically Realistic Philosophy of Science," <i>Pragmatic Naturalism and Realism</i>. Prometheus Books: Amherst, NY. 2003, <a href="http://www.pragmatism.org/shook/pragmatic_and_realistic.htm">http://www.pragmatism.org/shook/pragmatic_and_realistic.htm</a>.</del>		
/SK/		Souw, Bernard, "Coherent Telescope array with self-homodyne interferometric detection for optical communications," <i>Opt. Eng.</i> 42(11) 3139-3157 (Nov. 2003).		
/SK/		Souw et al., "Calculation of the Combined Zeeman and translational Stark Effect on the H $\alpha$ -Multiplet", <i>Physica</i> , pp. 353-374, 1983. (no month)		
		<del>E-K Souw, Ph.D. Thesis 1981, University of Dusseldorf, Germany, titled "Investigations of Transport Phenomena in the Wall Region of a Helium Plasma by Means of Spectroscopic Methods."</del>		
		<del>E.K.Souw, "Plasma Density Measurements in an Imperfect Microwave Cavity," <i>J. Appl. Phys.</i> 61 (1987) p. 1761-1772.</del>		
Examiner Signature	/Stephen Kalafut/		Date Considered	12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	14	of	<del>60</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>E-K Souw et al., "The Zeeman Splitting of the 6070 Å He Line Studied by means of a Tunable Dye Laser," Physica 113c (1982) pp. 203-216.</del>	
		<del>E-K Souw, "Anomalous Broadening and Splitting of Hcl and ArI lines in microwave plasmas," unpublished data, 12/01/2003.</del>	
/SK/		"Stellar Spectra and the Secrets of Starlight" (Internet Pages) www.kingusa.ab.ca/~brian/asto/course/lectures/fall/a200110g.htm (date and author unknown)	
/SK/		Time 2 wake up: "New Power SOURCE that turns physics on its head," 11/09/2005.	
/SK/		Turner. "Declaration of Dr. Gary L. Turner." 24 August 2004.	
/SK/		U.S. Department of Commerce, Summary of Ethics Rules, USPTO, 2000; October 15, 2004	
		<del>Welcome to MIT's OpenCourseWare Home Page. MIT 2005. <a href="http://ocw.mit.edu/index.html">http://ocw.mit.edu/index.html</a></del>	
/SK/		Wikipedia, Chapter 9: "Peer Review and Fraud," < <a href="http://en.wikipedia.org/wiki/peer_review#peer_review_and_fraud">http://en.wikipedia.org/wiki/peer_review#peer_review_and_fraud</a> > (no date)	
		<del>"XPS (EASC) -SAM," <a href="http://www.novoconic.com/measurement/science/analyticalservices/xpsoccasam.pdf">http://www.novoconic.com/measurement/science/analyticalservices/xpsoccasam.pdf</a></del>	
/SK/		Peter D. Zimmerman, "An Analysis of Theoretical Flaws in So-Called Classical Quantum Mechanics and of Experimental Evidence Against CQM" (2001) (no month)	
Examiner Signature	/Stephen Kalafut/		Date Considered
			12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	15	of	<del>70</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>CRITCHLEY et al., "Energy shifts and forbidden transitions in H<sub>2</sub> due to electronic g/u symmetry breaking", Molecular Physics, 2003, Vol. 101, Nos. 4-6, pp. 651-664, Taylor &amp; Francis Ltd.</del>	
		<del>GAMBUS et al., "Spectroscopic Study of Low-Pressure Water Plasmas and Their Reactions with Liquid Hydrocarbons", Energy &amp; Fuels, 2002, 16, pp. 172-176, American Chemical Society</del>	
		<del>AKATSUKA et al., "Stationary population inversion of hydrogen in an arc-heated magnetically trapped expanding hydrogen-helium plasma jet", Physical Review E, 49, 2, pp. 1334-1344, February, 1994, The American Physical Society</del>	
/SK/		MURAKAMI et al., "Chemisorption of hydrogen into a graphite-potassium intercalation compound C <sub>8</sub> K studied by means of position annihilation", J. Chem. Phys., 62 (10), May 15, 1985 <del>1985</del> , American Institute of Physics	
		<del>AHN, "Hydrogen Storage in Metal Modified Single-Walled Carbon Nanotubes", Division of Engineering and Applied Science, California Institute of Technology, September 15, 2001</del>	
		<del>DUAN et al., "Numerical calculation of energies of some excited states in a helium atom", Eur. Phys. J., D 19, (2002), pp. 9-12, Societa Italiana di Fisica, Springer-Verlag 2002</del>	
		<del>NIXON et al., "Formation and structure of the potassium graphites", Brit. J. Appl. Phys., Ser. 2, Vol., 1, pp. 291-299, Great Britain, 2002</del>	
		<del>ZELLINGER, "Experiment and the foundations of quantum physics", Reviews of Modern Physics, Vol 71, No. 2, pp. S288-S297, Centenary 1999, The American Physical Society</del>	
		<del>COTTON et al., "Complexes of Cyclic 2-Oxacarbenes. I. A Spontaneous Cyclization to Form a Complex of 2-Oxacyclopentylidene", Journal of the American Chemical Society, 93:11, pp. 2672-2676, June 2, 1971</del>	
		<del>LINDGAY et al., "A remeasurement of the 2.4μm spectrum of J = 1-0 H<sub>2</sub> pairs in a parahydrogen crystal", Journal of Molecular Spectroscopy, 218. Pp. 131-133, 2003</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered 12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	16	of	<u>Y2</u> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>JUAREZ et al, "Photoelectron angular distributions of rotationally resolved states in para-H<sub>2</sub><sup>+</sup> : A closer to the dynamics of molecular photoionisation", The University of Manchester Atomic, Molecular &amp; Laser Manipulation Group, pp.1,5</del>	
		<del>WEIGSTEIN, "Ortho-Para Hydrogen", <a href="http://scienceworld.wolfram.com/physics/Ortho-ParaHydrogen.html">http://scienceworld.wolfram.com/physics/Ortho-ParaHydrogen.html</a></del>	
		<del>SMITH, "Infrared spectra of DO<sub>2</sub> in the alkali halides L. Potassium and rubidium halides", Spectrochimica Acta, Vol. 30A, pp. 875-882, Pergamon Press, 1974</del>	
		<del>LEITCH et al., "Raman Spectroscopy of Hydrogen Molecules in Crystalline Silicon", Physical Review Letters, 81:2, pp. 421-424, July 13, 1998, The American Physical Society</del>	
		<del>CHEN et al., "Key to Understanding Interstitial H<sub>2</sub> in Si", Physical Review Letters, 88:10, pp. 105507-1 - 105507-4, March 11, 2002, The American Physical Society</del>	
		<del>CHEN et al., "Rotation of Molecular Hydrogen in Si: Unambiguous Identification of Ortho-H<sub>2</sub> and Para-D<sub>2</sub>", Physical Review Letters, 88:24, pp. 245503-1 - 245503-4, June 17, 2002, The American Physical Society</del>	
		<del>LAVROV et al., "Ortho and Para Interstitial H<sub>2</sub> in Silicon", Physical Review Letters, 88:24, pp. 215501-1 - 215501-4, November 18, 2002, The American Physical Society</del>	
		<del>STAVOLA et al., "Interstitial H<sub>2</sub> in Si: are all problems solved?", Physics B, pp. 58-66, 2003, Elsevier B.V.</del>	
		<del>DECIUS et al., "Force Constants of the Metaborate Ion in Alkali Halides", The Journal of Chemical Physics, 56:10, pp. 5189-5190, May 15, 1972</del>	
/SK/		"Infrared spectra of the metaborate ion in alkali halide solid solution", Research Notes, pp. 600-602 (no date)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete If Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	17	of	<del>50</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>SMITH, "Anharmonic force field of the metaborate ion in alkali halides", The Journal of Chemical physics, 58:11, pp. 4776-4778, June 1, 1973</del>	
		<del>HIGATSUNE et al., "Infrared Spectra of Metaborate Monomer and Trimer Ions", Inorganic Chemistry, pp. 168-174</del>	
		<del>JONES et al., "Force Constants of Nickel Carbonyl from Vibrational Spectra of Isotopic Species", The Journal of Chemical Physics, 48:6, pp. 2663-2670, March 15, 1968</del>	
		<del>SMITH, "Infrared spectra of BO<sub>2</sub> in the alkali halides I. Potassium and rubidium halides", Spectrochimica Acta, 30A, pp. 875-882, 1974, Pergamon Press</del>	
		<del>SCHOENFELDER et al., "Kinetics of Thermal Decomposition of TiH<sub>2</sub>", J. Vac. Sci. Technol., 10:5, pp. 862-870, Sept./Oct. 1973</del>	
		<del>"Emission Characteristics for Scandium Type Dispenser Cathodes", HeatWave Labs, Inc., TB-119, May 24, 2001, Spectra-Mat, Inc.</del>	
		<del>"Emission Characteristics of 'M Type' Dispenser Cathodes", HeatWave Labs, Inc., TB-117, May 24, 2001, Spectra-Mat, Inc.</del>	
		<del>"Practical Aspects of Modern Dispenser Cathodes", Microwave Journal, September, 1970</del>	
		<del>"Standard Series Barium Tungsten Dispenser Cathodes", HeatWave Labs, Inc., TB-100, July 29, 2002, Spectra-Mat, Inc.</del>	
		<del>ABATE et al., "Optimization and enhancement of H- ions in a magnetized sheet plasma", Review of Scientific Instruments, 71:10, pp. 3680-3686, October 2000, American Institute of Physics</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	18	of	<del>46</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>CHABERT et al., "On the influence of the gas velocity on dissociation degree and gas temperature in a flowing microwave hydrogen discharge", Journal of Applied Physics, 94:1, pp. 161-167, July 1, 2003, American Institute of Physics</del>	
		<del>GORDON et al., "Energy coupling efficiency of a hydrogen microwave plasma reactor", Journal of Applied Physics, 90:3, pp. 4544-4549, February 1, 2001, American Institute of Physics</del>	
		<del>RADOVANOV et al., "Time-resolved Balmer-alpha emission from fast hydrogen atoms in low pressure, radio frequency discharges in hydrogen", Appl. Phys. Lett., 66:20, pp. 2637-2639, May 15, 1995</del>	
		<del>DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics</del>	
		<del>KONJEVIC, "Plasma Broadening and Shifting of Non-Hydrogenic Spectral Lines: Present Status and Applications", Physics Reports, 315, pp. 339-401, 1999, Elsevier</del>	
		<del>BENESCHI et al., "Line shapes of atomic hydrogen in hollow cathode discharges", Optics Letters, 9:8, pp. 338-340, August 1984, Optical Society of America</del>	
		<del>AYERS, et al., "Shapes of atomic hydrogen lines produced at a cathode surface", Physical Review A, 37:1, pp. 194-200, January 1, 1988, The American Physical Society</del>	
		<del>ADAMOV, et al., "Doppler Spectroscopy of Hydrogen and Deuterium Balmer Alpha Line in an Abnormal Glow Discharge", IEEE Transactions on Plasma Science, 31:3, pp. 444-454, June 3, 2003</del>	
		<del>JOVIOEVIC et al., "Excessive Balmer line broadening in microwave induced discharges", Journal of Applied Physics, 95:1, pp. 24-29, January 1, 2004, American Institute of Physics</del>	
		<del>DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered 12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	19	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS				
Examine r Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
		<del>MAYO, "Thermalization and Energy Distribution in Cold Laboratory Plasmas: Comments on the Possibility of Mono-Energetic Species", April 20, 2004 (also cited on page 11)</del>		
		<del>VIDENOVIC et al., "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge", Spectrochimica Acta Part B, 51, pp. 1707-1731, 1996</del>		
		<del>BARBEAU et al., "Spectroscopic investigation of energetic atoms in a DC hydrogen flow discharge, pp. 1168-1174, 1990 IOP Publishing Ltd.</del>		
		<del>KONJEVIC et al., "Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow", J. Phys. IV France, 7, pp. C4-247-C4-258, October 1997</del>		
		<del>LIFSHITZ et al., "Resonance absorption measurements of atom concentrations in reacting gas mixtures. I. Shapes of H and D Lyman-<math>\alpha</math> lines from microwave sources", J. Chem. Phys., 70:12, pp. 5607-5613, June 15, 1979, American Institute of Physics</del>		
		<del>KURAICA et al., "Line shapes of atomic hydrogen in a plane-cathode abnormal glow discharge", Physical Review A, 46:7, pp. 4429-4432, October 1, 1992, The American Physical Society</del>		
		<del>KURAICA et al., "On the Atomic Hydrogen Line Shapes in a Plane Cathode Obstructed Glow Discharge", Physica Scripta., 50, pp. 487-492, 1994</del>		
/SK/		OLTHOFF et al., "Studies of Ion Kinetic-Energy Distributions in the Gaseous Electronics Conference RF Reference Cell", Journal of Research of the National Institute of Standards and Technology, 100:4, pp. 383-400, July-August 1995		
		<del>ALEXEFF et al., "Collisionless Ion-Wave Propagation and the Determination of the Compression Coefficient of Plasma Electrons", Physical Review Letters, 15:7, pp. 286-288, August 16, 1999</del>		
		<del>ARATA et al., "Reproducible 'Cold' Fusion Reaction Using a Complex Cathode", Fusion Technology, 22, pp. 287-295, September 1992</del>		
Examiner Signature	/Stephen Kalafut/		Date Considered	12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
Examiner Name	Kalafut				
Sheet	20	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>BURKHOLDER et al., "Reactions of boron atoms with molecular oxygen. Infrared spectra of BO, BO<sub>2</sub>, B<sub>2</sub>O<sub>2</sub>, B<sub>2</sub>O<sub>3</sub>, and BO<sub>2</sub> in solid argon", J. Chem. Phys., 95:12, pp. 8697-8709, December 15, 1991</del>	
		<del>SPURGIN, "Direct Conversion of the Random Thermal Energy of a Plasma into Electrical Energy", Master's Thesis, The University of South Florida, June 1972</del>	
		<del>Technology Insights, "Hydro Catalysis Technical Assessment," (Part of 00/000,837 paper no.: 20050207. This document was submitted by R. Mills on 7/17/02 in copending application 09/669,877).</del>	
		<del>Notes on David Peat, "Einstein's Moon: Bell's Theorem and the Curious Quest for Quantum Reality," History and Philosophy of Science-Fall, 1997-Dr. Ess. &lt;<a href="http://www.drury.edu/ess/philsci/bell.html">www.drury.edu/ess/philsci/bell.html</a>&gt;</del>	
		<del>"Average Molecular Kinetic Energy", <a href="http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html">http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html</a></del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	21	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		Letter from Shelby T. Brewer to The Honorable James E. Rogan, December 21, 2001 and PTO response from Jason C. Roe, April 24, 2002 (see Attachment A)	
		<del>PARK, "Patent Nonsense, Court Denies Blacklight Power Appeal," What's New, September 6, 2002, <a href="http://www.aps.org.WN/WN02/wn090602.html">www.aps.org.WN/WN02/wn090602.html</a> (see Attachment C)</del>	
		<del>RANDI, "Houdini and the Rabbi: The Patent Office Again, A Perpetual Motion/Emotion Gar Breaks Down...," Swift, September 20, 2002, <a href="http://www.randi.org/jr/092002.html">www.randi.org/jr/092002.html</a> (see Attachment C)</del>	
		<del>VOSG, "New Physics' Finds a Haven At the Patent Office," Science, Vol. 284, pp. 1252-1254, May 21, 1999 (see Attachment D)</del>	
/SK/		PTO Memorandum For All Employees: Media Contact Policy from Acting Assistant Secretary of Commerce and Acting Commissioner of patents and Trademarks, June 22, 1999	
/SK/		Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger, February 28, 2000 (see Attachment G)	
		<del>Internet Discussion Forum, "Two Brand New Papers out at BLP's "What's New" page," message No. 7191 on Hydrino Study Group, <a href="http://groups.yahoo.com/group/hyrino/message/7191">http://groups.yahoo.com/group/hyrino/message/7191</a>, September 27, 2003 (see Attachment H)</del>	
		<del>Internet Discussion Forum, "Even Skeptics can lose Objectivity," message No. 7410 on Hydrino Study Group, <a href="http://groups.yahoo.com/group/hyrino/message/7410">http://groups.yahoo.com/group/hyrino/message/7410</a>, October 27, 2003 (see Attachment H)</del>	
		<del>Internet Discussion Forum, "Two Competing Views of Reality Engage in a Battle for Total Control of Our Physics Paradigm," Hydrino Study Group, <a href="http://www.hydrino.org">http://www.hydrino.org</a> (see Attachment H)</del>	
		<del>Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, November 10, 2003 (see Attachment H)</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	22	of	<del>42</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Peter Zimmerman and Tom Stolper, October 29, 2003 (see Attachment H)</del>	
		<del>Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, October 28, 2003 (see Attachment H)</del>	
		<del>Internet Discussion Forum, "HSC: Even skeptics can lose objectivity," Transcript from Steve Menton, October 26, 2003 (see Attachment H)</del>	
		<del>Internet Discussion Forum, "HSC: Zimmerman's Incoherent Questions," Transcript from Peter Zimmerman and Steve Menton, September 25, 2003 (see Attachment H)</del>	
		<del>Internet Discussion Forum, "Re: Re: Zero Electrostatic Self-Interaction Justified," Transcript from Peter Zimmerman, May 22, 2003 <a href="http://groups.yahoo.com/group/hydrino/message/6052">http://groups.yahoo.com/group/hydrino/message/6052</a> (see Attachment H)</del>	
		<del>Internet Discussion Forum, "HSC: Re: Book Review by Dr. John Farrell," Transcript from Peter Zimmerman, February 23, 2004 (see Attachment H)</del>	
/SK/		"Regarding PZ's Departing Post," includes many public posts on hydrino study group. pp 1-75 (see Attachment I) (no date)	
		<del>PARK, "Perpetual Motion: Still Going Around," Special to the Washington Post, January 12, 2000, Page H03 (see Attachment J)</del>	
/SK/		Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger with Attachments A-E, January 19, 2001(see Attachment K)	
		<del>PLATT, "Testing the Current," The Washington Post, June 25, 2000, Page X06 (see Attachment M)</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete If Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	23	of	<del>50</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS				
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
/SK/		USPTO Communication re Interview scheduled for February 21, 2003, February 12, 2001 (see Attachment N)		
/SK/		Letter from Senator Ron Wyden to The Honorable Todd Q. Dickinson with attachments, April 5, 2000 (see Attachment O)		
/SK/		Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20, 2001 (see Attachment O)		
/SK/		Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)		
/SK/		Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O)		
/SK/		Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)		
/SK/		Letter from Senators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001 (see Attachment O)		
/SK/		Letter from Senators Jon S. Corzine and Robert G. Torricelli to The Honorable Donald L. Evans, December 21, 2001 (see Attachment O)		
/SK/		Email re Interview Summary from Jeffrey Simenauer to Ted Liu, February 13, 2003 (see Attachment P)		
		<del>"APS E-Board Passes Resolution on Perpetual Motion Machines," APS NEWS ONLINE, August/September 2002, <a href="http://www.aps.org/aps/apsnews/0002/000212.html">http://www.aps.org/aps/apsnews/0002/000212.html</a> (see Attachment Q)</del>		
Examiner Signature	/Stephen Kalafut/		Date Considered	12/09/2007

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete If Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	24	of	<del>40</del> 50	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		Letter from Elizabeth Barlow to John Allen, March 17, 2004 (see Attachment R)	
/SK/		Letters from John Allen to Office of Counsel, US Department of Commerce with attachments, May 12, 2003, June 7, 2003, and March 10, 2004 (see Attachment R)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	



Substitute for form 14498/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	25	of	<del>40</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		116. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Capacitively Coupled RF Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: June 6, 2006.)	
/SK/		115. R.L. Mills, H. Zea, J. He, B. Dhandapani, "Water Bath Calorimetry on a Catalytic Reaction of Atomic Hydrogen," International Journal of Hydrogen Energy, in press. (Internet Publication Date: May 12, 2006)	
		<del>114. R.L. Mills, K. Akhtar, B. Dhandapani, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H Balmer-<math>\alpha</math> Broadening in Certain Hydrogen-Mixed Plasmas," J. Plasma Phys., submitted. (Internet Publication Date: June 24, 2005.)</del>	
		<del>113. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrogen States," Physics Essay, in press. (Internet Publication Date: June 9, 2005.)</del>	
		<del>112. R. L. Mills, J. He, Y. Lu, Z. M. Nansteel, Chang, B. Dhandapani, "Comprehensive Identification and Potential Applications of New States of Hydrogen," Int. J. Hydrogen Energy, Vol. 32, (2007), 2988-3009. (Internet Publication Date: May 9, 2005.)</del>	
		<del>111. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species H<sup>+</sup>(1/4) and H<sub>2</sub>(1/4) as a New Power Source," International Journal of Hydrogen Energy, Vol. 32(13), (2007), pp. 2573-2584. (Internet Publication Date: May 6, 2005.)</del>	
		<del>110. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Prepr. Pap., Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Internet Publication Date: April 22, 2005.)</del>	
		<del>109. R. L. Mills, M. Nansteel, J. He, B. Dhandapani, "Low-Voltage EUV and Visible Light Source Due to Catalysis of Atomic Hydrogen," J. Plasma Physics, submitted. (Internet Publication Date: April 15, 2005.)</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
			12/09/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	26	Of	50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS				
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
		108. R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," International Journal of Global Energy Issues (IJGEI), Special Edition in Energy Systems, in press. (Internet Publication Date: April 4, 2005.)		
		107. R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," Physics Essays, in press. (Internet Publication Date: October 28, 2004.)		
		106. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Physics Essays, submitted. (Internet Publication Date: October 28, 2004.)		
		105. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," International Journal of Hydrogen Energy, Vol. 32, (2007), 3010-3025. (Internet Publication Date: September 7, 2004.)		
		104. R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22-26, 2004, Philadelphia, PA.		
		103. R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K <sub>2</sub> CO <sub>3</sub> Electrolysis Gases," Chemical Engineering Science, submitted. (Internet Publication Date: April 28, 2004.)		
		102. R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One- through Twenty-Electron Atoms," Phys. Essays, Vol. 18, No. 3 (2005), 321-361. (Internet Publication Date: April 22, 2004.)		
		101. Mills et al. "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels, 227th American Chemical Society National Meeting, March 28-April 1, 2004, Anaheim, CA.		
Examiner Signature	/Stephen Kalafut/		Date Considered	12/09/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	09/27/2000	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	27	of	<del>70</del> 50	Attorney Docket Number	

— NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		100. Mills et al., "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," <del>Materials Chemistry and Physics, 64/2-3, (2006), pp. 298-307. (Internet Publication Date: Nov. 17, 2003.)</del>	
		<del>99. Mills et al., "Spectral Identification of H<sub>2</sub>(1/2)," submitted.</del>	
		98. R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," <del>New Journal of Chemistry, submitted. (Internet Publication Date: Nov. 18, 2003.)</del>	
		97. Mills et al., "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," <del>Journal of Plasma Physics, Vol. 72, Issue 4, (2006), pp. 469-484. (Internet Publication Date: Sept. 26,</del>	
		96. Mills et al., "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by <del>Catalytic Reactions Between Hydrogen and Oxygen Species," J. Plasma Phys., submitted. (Internet Publication Date: Sept. 12, 2003.)</del>	
		95. Mills et al., "Excessive Balmer $\alpha$ Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," <del>IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: Aug. 18, 2003.)</del>	
		94. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," <del>Physics Essays, Vol. 17, (2004), pp. 342-380. (Internet Publication Date: Aug. 6, 2003.)</del>	
/SK/		93. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction Forms a New State of Hydrogen," Doklady Chemisty, submitted.  (no date)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/669,877
				Filing Date	09/27/2000
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	28	of	<del>40</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>92. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Central European Journal of Physics, submitted. (Internet Publication Date: June 6, 2003.)</del>	
/SK/		91. R. Mills, P. Ray, "New H I Laser Medium Based on Novel Energetic Plasma of Atomic Hydrogen and Certain Group I Catalysts," J. Plasma Physics, submitted. (no date)	
		<del>90. Mills et al., "Characterization of Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 46, No. 2, (2003).</del>	
/SK/		89. Mills et al., "Hydrogen Plasmas Generated Using Certain Group I Catalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," Fizika A, submitted. (no date)	
/SK/		88. Mills et al., "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005), pp. 77-90. (Internet Publication Date: Dec. 22, 2003.)	
/SK/		87. Mills et al., "Liquid-Nitrogen-Condensable Molecular Hydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted. (no date)	
		<del>86. Mills et al., "Novel Spectral Series from Helium-Hydrogen Evenson Microwave Cavity Plasmas that Matched Fractional Principal Quantum Energy Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted. (Internet Publication Date: April 24,</del>	
		<del>85. Mills et al., "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted.</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered 12/09/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	29	of	<del>40</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>84. Mills et al., "Comparison of Balmer <math>\alpha</math> Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Braz. J. Phys., submitted. (Internet Publication Date: March 12, 2003.)</del>	
		<del>83. Mills et al., "Comparison of Water Plasma Sources of Stationary Inverted Balmer and Lyman Populations for a CW HI Laser," J. Appl. Spectroscopy, in preparation.</del>	
		<del>82. Mills et al., "Synthesis and Characterization of Diamond Films from MPCVD of an Energetic Argon-Hydrogen Plasma and Methane," Journal of Materials Science, submitted. (Internet Publication Date: May 7, 2003.)</del>	
		<del>81. R. Mills, et. al., "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), pp. 83-104. (Internet</del>	
		<del>80. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales De La Fondation Louis De Broglie, Vol. 30, No. 2, (2005), pp. 129-151. (Internet Publication Date: Jan. 27, 2003.)</del>	
/SK/		79. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted.  (no date)	
		<del>78. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen", J. of the Physical Society of Japan, submitted. (Internet Publication Date: Sept. 9, 2002.)</del>	
		<del>77. Mills et al., "Water Bath Calorimetric Study of Excess Heat in 'Resonant Transfer' Plasmas," Journal of Applied Physics, Vol. 96, No. 6, (2004), pp. 3095-3102. (Internet Publication Date: June 16, 2003.)</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	30	of	<del>40</del> 50	Attorney Docket Number	

— NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>76. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Spectral Emission of Fractional Principal Quantum Energy Level Atomic and Molecular Hydrogen," Journal of Applied Spectroscopy, submitted. (Internet Publication Date: Feb. 12, 2002.)</del>	
		<del>75. Mills et al., "Novel Liquid Nitrogen Condensable Molecular Hydrogen Gas," Acta Physica Polonica A, submitted. (Internet Publication Date: Oct. 29, 2002.)</del>	
		<del>74. Mills et al., "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Journal of Plasma Physics, Vol. 71, Part 6, (2005), pp. 877-78. (Internet Publication Date: June 18, 2003.)</del>	
		<del>70. Mills et al., "Energetic Helium-Hydrogen Plasma Reaction," AIAA Journal, submitted. (Internet Publication Date: July 26, 2002.)</del>	
/SK/		72. R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Transfer with Strontium and Argon Ions," Vacuum, submitted. (no date)	
/SK/		71. Mills et al., "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," Contributions to Plasma Physics, submitted. (no date)	
		<del>70. Mills et al., "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional Rydberg State Hydrogen Molecular Ion," The European Journal of Applied Physics, submitted. (Internet Publication Date: Sept. 2, 2002.)</del>	
		<del>69. Mills et al., "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, Vol. 15, (2003), pp. 1313-1321. (Internet Publication Date: Dec. 31, 2002.)</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered 12/09/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	31	of	<del>50</del> 50	Attorney Docket Number	

— NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>68. Mills, et. al. "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser." IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: August 16, 2002)</del>	
		<del>67. Mills et al., "Extreme Ultraviolet Spectroscopy of Helium Hydrogen Plasma," J. Phys. D, Vol. 36, (2003), pp. 1535-1542. (Internet Publication Date: July 17, 2002.)</del>	
		<del>66. Mills et al., "Spectroscopic Evidence for a Water Plasma Laser," Europhysics Letters, submitted. (Internet Publication Date: Sept. 19, 2002.)</del>	
		<del>65. Mills et al., "Spectroscopic Evidence for Highly Pumped Balmer and Lyman Populations in a Water-Plasma," J. of Applied Physics, submitted. (Internet Publication Date: Sept. 18, 2002.)</del>	
		<del>64. Mills et al., "Low Power MPCVD of Diamond Films on Silicon Substrates," Journal of Vacuum Science &amp; Technology A, submitted. (Internet Publication Date: June 20, 2002.)</del>	
		<del>63. Mills et al., "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry," Thermochimica Acta, Vol. 400, Issue 1-2, (2003), pp. 35-53. (Internet Publication Date: June 25, 2002.)</del>	
/SK/		62. Mills et al., "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride," Inorganica Chimica Acta, submitted. (no date)	
		<del>61. Mills et al., "Highly Stable Amorphous Silicon Hydride," Solar Energy Materials &amp; Solar Cells, Vol. 80, No. 1, (2003), pp. 1-20. (Internet Publication Date: April 15, 2002.)</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	32	of	<del>50</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		60. Mills et al., "Synthesis of HDLC Films from Solid Carbon," Journal of Materials Science, Vol. 39, (2004), pp. 3309-3318. (Internet Publication Date: May 3, 2002.)	
		59. Mills et al., "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, Vol. 82, No. 11, (2003), pp. 1679-1681. (Internet Publication Date: July 11, 2002.)	
		58. Mills, "Classical Quantum Mechanics," Physics Essays, Vol. 16, (2003), pp. 433-498. (Internet Publication Date: May 23, 2002.)	
		57. Mills, et. al. "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, J. of Quantitative Spectroscopy	
		56. R. M. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications," 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), pp. 1-4. (Internet Publication Date: March 28, 2002.)	
		55. Mills et al., "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (Internet Publication Date: April 22, 2002.)	
		54. Mills et al., "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504-1509. (Internet Publication Date: March 20, 2002) also submitted to Chem Phys. Letts.	
		53. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium." Braz. J. Phys, submitted. (Internet Publication Date: June 4, 2002)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete If Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	33	of	<u>44</u> 50	Attorney Docket Number	

— NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1–70.28. (Internet Publication Date: October, 2002)	
		51. Mills et al., "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 2, (2003), pp. 236–247. (Internet Publication Date: Feb. 4, 2002.)	
		50. Mills et al., "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy, Vol. 31, No. 2, (2003), pp. 195–213.	
		49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338–355.	
		48. Mills et al., "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066–2073. (Internet Publication Date: March 26, 2002.)	
		47. H. Comads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389.	
		46. Mills et al., "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol 12, (2003), pp. 389–395.	
		45. Mills et al., "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol 28, No. 12, (2003), pp. 1401–1424. (Internet Publication Date: April 15, 2002.)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	34	of	46 50	Attorney Docket Number	

— NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.)	
		43. Mills et al., "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," <i>New Journal of Physics</i> , www.njp.org, Vol. 4, (2002), pp. 22.1–22.17. (Internet Publication Date: Dec. 27, 2001.)	
		42. Mills et al., "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion, Hydrogen, Nitrogen, and Air," <i>Int. J. Hydrogen Energy</i> , Vol. 28, No. 8, (2003), pp. 825–871. (Internet Publication Date: Nov. 14, 2001.)	
		41. Mills et al., "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," <i>Proceedings of the 17th Annual Battery Conference on Applications and Advances</i> , California State University, Long Beach, CA, (January 15–18, 2002), pp. 1–6.	
		40. Mills et al., "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," <i>IEEE Transactions on Plasma Science</i> , August, (2002), Vol. 30, No. 4, pp. 1568–1578. (Internet Publication Date: Nov. 12, 2001.)	
		39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," <i>J. Phys. Chem. A</i> , submitted. (Internet Publication Date: Nov. 13, 2001.)	
		38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," <i>Electrochimica Acta</i> , Vol. 47, No. 24, (2002), pp. 3909–3926. (Internet Publication Date: June 13, 2002.)	
		37. Mills et al., "Comparison of Excessive Balmer Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts," <i>J. of Applied Physics</i> , (2002), Vol. 92, No. 12, pp. 7008–7022. (Internet Publication Date: Oct. 9, 2002.)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	35	of	<del>66</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.)	
		35. Mills et al., "New Power Source from Fractional Rydberg States of Atomic Hydrogen," Current Appl. Phys., submitted. (Internet Publication Date: Oct. 9, 2001.)	
		34. Mills et al., "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen," J. of Quantitative Spectroscopy and Radiative Transfer, in press. (Internet Publication Date: Oct. 9, 2001.)	
		33. Mills et al., "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," J. Mol. Struct., Vol. 643, No. 1-3, (2002), pp. 43-54. (Internet Publication Date: Oct. 10, 2001.)	
		32. Mills et al., "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 927-935. (Internet Publication Date: Sept. 19, 2001.)	
		31. Mills et al., "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 967-978. (Internet Publication Date: Sept. 14, 2001.)	
		30. Mills et al., "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," Int. J. Hydrogen Energy, Vol. 27, No. 6, (2002), pp. 671-685. (Internet Publication Date: Aug. 22, 2001.)	
		29. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion," Int. J. Hydrogen Energy, Vol. 27, No. 5, (2002), pp. 533-564. (Internet Publication Date: July 19, 2001.)	
Examiner Signature	/Stephen Kalafut/		Date Considered
			12/09/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	36	of	<del>40</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		28. Mills et al., "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," <i>Int. J. Hydrogen Energy</i> , (2002), Vol. 27, No. 3, pp. 304-322. (Internet Publication Date: Aug. 1, 2001.)	
		27. Mills, et. al. "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", <i>International Journal of Hydrogen Energy</i> , Vol. 27, No. 2, (2002), pp. 183-192. (Internet Publication Date: January 11, 2002)	
		26. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," <i>Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common</i>	
		25. Mills, et. al. "Minimum heat of formation of potassium iono hydride." <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1199-1208. (Internet Publication Date: March 23, 2001)	
		24. Mills, et al. "Stereoscopic Identification of a Novel Catalytic Reaction of Atomic Hydrogen and the hydride ion product." <i>International Journal of Hydrogen Energy</i> , Vol. 26. 2001. pp.1041-1058. (Internet Publication Date: March 23, 2001.)	
		23. Mills et al., "Optically Measured Power Balances of Glow Discharges of Mixtures of Argon, Hydrogen, and Potassium, Rubidium, Cesium, or Strontium Vapor," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 6, (2002), pp. 651-670. (Internet Publication Date: July 20, 2001.)	
		22. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Global Foundation, Inc. <i>Orbis Scientiae</i> entitled The Role of Attractive and Repulsive Gravitational Forces in Cosmic Acceleration of Particles The Origin of the Cosmic Gamma Ray Bursts, (29th	
		21. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 5, (2002), pp. 565-590. (Internet Publication Date: Sept. 17, 2001.)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	37	Of	<del>46</del> 50	Attorney Docket Number	

— NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		20. Mills et al., "Argon-Hydrogen-Strontium Discharge Light Source," IEEE Transactions on Plasma Science, Vol. 30, No. 2, (2002), pp. 639-653. (Internet Publication Date: Dec. 7, 2000.)	
		19. Mills et al., "Identification of Compounds Containing Novel Hydride Ions by Nuclear Magnetic Resonance Spectroscopy," Int. J. Hydrogen Energy, Vol. 26, No. 9, (2001), pp. 965-979. (Internet Publication Date: March 22, 2001.)	
		18. Mills, "BlackLight Power Technology-A New Clean Energy Source with the Potential for Direct Conversion to Electricity," Global Foundation International Conference on "Global Warming and Energy Policy," Dr. Behram N. Kursunoglu, Chairman, Fort Lauderdale, FL,	
		17. Mills, "The Nature of Free Electrons in Superfluid Helium—a Test of Quantum Mechanics and a Basis to Review its Foundations and Make a Comparison to Classical Theory," Int. J. Hydrogen Energy, Vol. 26, No. 10, (2001), pp. 1059-1096. (Internet Publication Date: Dec. 11,	
		16. Mills et al., "Excessively Bright Hydrogen-Strontium Plasma Light Source Due to Energy Resonance of Strontium with Hydrogen," J. of Plasma Physics, Vol. 69, (2003), pp. 131-156. (Internet Publication Date: Aug. 27, 2001.)	
		15. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Certain Catalysts," Int. J. Hydrogen Energy, Vol. 25, (2000), pp. 919-943. (Internet Publication Date: June 27, 2000.)	
		14. R. Mills, "Observation of Extreme Ultraviolet Emission from Hydrogen-KI Plasmas Produced by a Hollow Cathode Discharge," Int. J. Hydrogen Energy, Vol. 26, No. 6, (2001), pp. 579-592. (Internet Publication Date: July 10, 2000.)	
		13. Mills, "Temporal Behavior of Light-Emission in the Visible Spectral Range from a Ti-K <sub>2</sub> CO <sub>3</sub> -H-Cell," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 327-332. (Internet Publication Date: July 10, 2000.)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	38	of	<u>40</u> 50	Attorney Docket Number	

— NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749-762. (Internet Publication Date: June 28, 2000.)	
		11. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 309-326. (Internet Publication Date: June 27, 2000.)	
		10. Mills et al., "Synthesis and Characterization of Potassium Iodo Hydride," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1185-1203. (Internet Publication Date: Nov. 12, 2001.)	
		9. Mills, "Novel inorganic hydride," International Journal of Hydrogen Energy, Vol 25, 2000, pp. 669-683. (Internet Publication Date: June 28, 2000)	
		8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," Int. J. of Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 339-367. (Internet Publication Date: June 13, 2001.)	
		7. R. Mills, "Highly Stable Novel Inorganic Hydrides," Journal of New Materials for Electrochemical Systems, Vol. 6, (2003), pp. 45-54. (Internet Publication Date: Nov. 20, 2001.)	
		6. R. Mills, "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell," Fusion Technology, Vol. 37, No. 2, March, (2000), pp. 157-182. (Internet Publication Date: June 26, 2000.)	
		5. Mills, "The Hydrogen Atom Revisited," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1171-1183. (Internet Publication Date: June 27, 2000.)	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	39	of	<del>40</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>1. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," Fusion Technology, Vol. 28, No. 4, November, (1995), pp. 1697-1719. (Internet Publication Date: Nov. 1, 2001.)</del>	
		<del>3. Mills et al., "Dihydride Molecule Identification," Fusion Technology, Vol. 25, 100-110 (Jan. 1994). (Internet Publication Date: April 11, 2001.)</del>	
/SK/		Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , Oct 11 1991, pp. 1-6	
		<del>Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i>, April 17, 1992, pp. 1-6</del>	
/SK/		Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted. (no date)	
		<del>Mills, "The Grand Unified Theory of Classical Quantum Mechanics," (2001). Distributed by Amazon.Com.</del>	
		<del>Mills, et. al. "Excess Heat Production...Gold Fusion." <i>Fusion Technology</i>, Vol 20, Feb 1991, pp. 65-81.</del>	
		<del>Mills, et. al. <i>Fusion Technol.</i> Vol.20, 65 (1991). Internet Publication Date 4/11/01</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete If Known</b>			
		Application Number	09/669,877		
		Filing Date	09/27/2000		
		First Named Inventor	Mills		
		Group Art Unit	1745		
		Examiner Name	Kalafut		
Sheet	40	of	<del>40</del> 50	Attorney Docket Number	

- NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/SK/		Mills, "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225. (no month)	
/SK/		Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01	
		<del>Mills, "Hydro-catalysis Power Technology," Statement of Dr. Randall L. Mills, May, 1993.</del>	
/SK/		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9 (no date)	
		<del>Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro-catalysis Power Corporation," 1992, pp. 53-84.</del>	
		<del>Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i>, Vol 26, 2001, pp. 1233.</del>	
/SK/		Mills, "Author's response to 'Hydrino theory- a proposed amendment'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1229-1231. (no month)	
/SK/		Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001. (no month)	
		<del>Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001.</del>	
Examiner Signature	/Stephen Kalafut/		Date Considered
		12/09/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.





Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/669,887
		Filing Date	September 29, 2000
		First Named Inventor	Mills
		Group Art Unit	<del>4754</del> 1745
Examiner Name	<del>Langel</del> Kalafut		
Sheet <b>1</b> 42	of <b>1</b> 50	Attorney Docket Number	62-226-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>Barton, et al. "Investigating Radio Frequency Plasmas Used for the modification of Polymer Surfaces." J. Phys. Chem. B, Vol 103, 1999, pp. 4423-4430.</del>	
		<del>Bogaerts, et al. "Effects of adding hydrogen to an argon glow discharge: overview of relevant processes and some qualitative explanations." Journal of Analytical Atomic Spectrometry, March 2000.</del>	
		<del>Dery, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." J. Phys. Chem., Vol 100, 1996, pp. 17866-17872.</del>	
		<del>Roberts, et al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." J. Appl. Phys., Vol 74, No 11, December 1993.</del>	
		<del>Vidonevic, et al. "Spectroscopic investigations of a cathode fall region of the Grimm type glow discharge." Spectrochimica Acta Part B, Vol 51, 1996, pp. 1707-1731.</del>	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	09/669,877	
			Filing Date	September 27, 2000	
			First Named Inventor	Mills	
			Group Art Unit	<del>4754</del> 1745	
Examiner Name	<del>Langel</del> Kalafut				
Sheet	<del>1</del> 43	of	<del>6</del> 50	Attorney Docket Number	62-231-1EL

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
		3,235,884		Jung, et al	05-31-1966	
		4,155,712		Taschek	05-22-1979	
		4,337,126		Gilligan III, et al	06-29-1982	
		4,353,871		Bartlett, et al	10-12-1982	
		4,702,894		Casuish	06-27-1987	
		4,808,286		Angelo II	02-28-1989	
		5,215,729		Buxbaum	06-01-1993	
		5,318,675		Patterson	06-07-1994	
		5,372,688		Patterson	12-13-1994	
		5,643,640		Long, et al	01-14-1997	
		5,789,744		Spence, et al	08-04-1998	
		6,024,935		Mills, et al	02-15-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		GB	2 243 201		Lloyd Wise, Tregear & Co.	05-13-2000		

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
-----------------------	-------------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,887		
		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	<del>Unknown</del> 1745		
Examiner Name	<del>Unassigned</del> Kalafut				
Sheet	2 44	of	8 50	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Abelès, Ed. Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'." <i>Optical Properties of Solids</i> , 1972, pp. 718-754.	
		Alger et al. "F Centers in Pure and Hydride-Containing Alkali Halide crystals." <i>Physical Review</i> , Vol 97, January 15, 1955, pp. 277-287.	
		Arfken. "Mathematical Methods for Physicists." <i>Academic Press</i> , 1970, pp. 413-415.	
		Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." <i>Dow Jones Newswires</i> , Oct 6, 1999.	
		Bäuerle et al. "Infrared Vibrational Absorption by U-Centers in NaI." <i>Phys. Stat. Sol.</i> , Vol 24, 1967, pp. 207-215.	
		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.	
		Bethe, et. al. "Quantum Mechanics of One and Two Electron Atoms." <i>Cornell University</i> , 1977, pp. 2, 9-12, 47, 83-84, 92, 107.	
		Boniface, et. al. "Calorimetry for a Ni/K <sub>2</sub> CO <sub>3</sub> Cell." AECL Research, June 1994.	
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.	
		Clark, et. al. "Excess Energy Cell Final Report." April 1995.	
		Delbecq et al. "Pragmatic Resonance Investigation of Irradiated KCl Crystals Containing U-Centers." <i>Phys. Rev.</i> , Vol 104, Nov 1, 1956, pp. 599-604.	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,887		
		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	<del>Unknown</del> 1745		
Examiner Name	<del>Unassigned</del> Kalafut				
Sheet	45	of	50	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>Dötsch et al. "Localized Vibrations of H<sup>+</sup> and D<sup>+</sup> Ions in NaF and LiF." <i>Solid States Communications</i>, Vol 3, 1965, pp. 297-298.</del>	
		<del>Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." <i>Nature</i>, Vol 395, September 3, 1998, pp. 33-37.</del>	
		<del>Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE &amp; A Number 40150, March 1994.</del>	
		<del>Evans, et. al. "XPS/ESCA Results." CE &amp; A Number 44545, Nov 1994.</del>	
		<del>Feynman, et al. "The Feynman Lectures of Physics: Quantum Mechanics." 1965.</del>	
		<del>Fine, Arthur. "The Shaky Game: Einstein, Realism and the Quantum Theory." <i>The University of Chicago Press</i>, 1986, pp.64-88.</del>	
		<del>Fischer. "Die optische Absorption der O<sub>2</sub>-Zentren in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i>, Vol 131, 1952, pp. 488-504.</del>	
		<del>Fischer et al. "Sh<sup>-</sup>, S<sup>-</sup> Und S<sup>0</sup> Zentren In KC1-Kristallen." <i>Physics Letters</i>, Vol 13, Oct. 27, 1964, pp. 113-114.</del>	
		<del>Fried et al. "Solution for the Two-Electron Correlation Function in a Plasma." <i>The Physical Review</i>, Vol 122, Apr. 1, 1961, pp. 1-8.</del>	
		<del>Fritz. "Anionlücken und Zwischengitterionen in Alkalihalogenid-Alkalihydrid-Mischkristallen." <i>J. Phys. Chem. Solids</i>, Vol 23, 1962, pp. 375-394.</del>	
		<del>Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i>, March 2000, p. 70.</del>	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,887		
		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	<del>Unknown</del> 1745		
Examiner Name	<del>Unassigned</del> Kalafut				
Sheet	46	of	50	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.	
		Hansen, et. al. "A response to hydrogen +oxygen recombination and related heat generation in undivided electrolysis cells." <i>J. of Electroanalytical Chemistry</i> , Vol 447, 1998, pp. 225-226.	
		Haus. "On the radiation from point charges." <i>American Journal of Physics</i> , Vol 54, No 12, December 1986. Pp. 1126-1129.	
		Hayashi, Shigenobu. "Accurate determination of <sup>1</sup> H Knight shifts in Mg <sub>2</sub> NiH <sub>x</sub> and MgH <sub>x</sub> by means of high-speed magic angle spinning." <i>Journal of Alloys and Compounds</i> , Vol 248, 1997, pp. 66-69.	
		Hayashi, et. al. " <sup>1</sup> H NMR and magnetization measurements of a nanostructured composite material of the Mg <sub>2</sub> Ni-H system synthesized by reactive mechanical grinding." <i>Journal of Alloys and Compounds</i> , Vol 256, 1997, pp. 159-165.	
		Hayashi, et. al. "Local structures and hydrogen dynamics in amorphous and nanostructured Mg-Ni-H systems as studied by <sup>1</sup> H and <sup>2</sup> H nuclear magnetic resonance."	
		Heisenberg, W. "Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik." <i>Zeitschrift für Physik</i> , Vol 43, 1927, pp. 172-198.	
		Heitler, W. "The Quantum Theory of Radiation." <i>University of Zürich</i> , 1984, pp. 104.	
		Hilsch. "Eine neue Lichtabsorption in Alkalihalogenidkristalle." <i>Fachgruppe II</i> , pp. 322-328.	
		Hilsch. "Über die Diffusion und Reaktion von Wassestoff in KBr-Kristallen." <i>Annalen der Physik</i> , Vol 40, 1937, pp. 407-720.	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/669,887
		Filing Date	September 27, 2000
		First Named Inventor	Mills
		Group Art Unit	<del>Unknown</del> 1745
Examiner Name	<del>Unassigned</del> Kalafut		
Sheet <del>8</del> 47	of <del>8</del> 50	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Jackson, John David. "Classical Electrodynamics." <i>University of California</i> , Berkley, 1975, Ch. 14.	
		Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG & G	
		Jansson. "Hydrocatalysis:: A New Energy Paradigm for the 21 <sup>st</sup> Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997.	
		Jeffreys, et al. "Methods of Mathematical Physics." <i>Cambridge</i> , 1950, pp.618.	
		Karaplu and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567.	
		Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation."	
		Kerkhoff. "Zum photochemischen Verhalten sauerstoffhaltiger Komplexe in Alkalihalogenidkristalle." <i>Zeitschrift für Physik</i> , Vol 158, 1960, pp.595-606.	
		Kerkhoff et al. "Elektronenspin-Resonanz und Photochemie des $\pi$ -Zentrums in Alkalihalogenid-Kristallen." <i>Zeitschrift für Physik</i> , Vol 173, 1963, pp.184-202.	
		Kleinschrod. "Photochemische Zersetzung von KH und KD in KBr-Kristallen." <i>Ausgegeben</i> , Jan. 5, 1939, pp. 143-148.	
		Kleppner, et. al. "One Hundred Years of Quantum Physics." <i>SCIENCE</i> , Vol 289, Aug 2000, pp. 893-898.	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,887		
		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	<del>Unknown</del>		
Examiner Name	<del>Unassigned</del>				
Sheet	<del>8</del> 48	of	<del>8</del> 50	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>Mine-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct</del>	
		<del>Kolos, et. al. "Accurate Adiabatic Treatment of the Ground State of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i>, Vol 41, No 12, Dec 1964, pp. 3663-3673.</del>	
		<del>Kolos, et. al. "Accurate Electronic Wave Functions for the H<sub>2</sub> Molecule*." <i>Reviews of Modern Physics</i>, Vol 32, No 2, April 1960, pp. 219-232.</del>	
		<del>Kolos, et. al. "Improved Theoretical Ground-State Energy of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i>, Vol 49, No 1, July 1968, pp. 404-410.</del>	
		<del>Kurtz, et. al. "Report on Calometric Investigations of Gas-Phase Catalyzed Hydrino Formation." Hydrocatalysis Power Corp. Report, December 1996.</del>	
		<del>Lüpke. "Über Sensibilisierung der photochemischen Wirkung in Alkalihalogenidkristallen." <i>Annalen der Physik</i>, Vol 21, 1934, pp. 1-14.</del>	
		<del>Lüty. "Über Die Natur Der V<sub>3</sub>-Zentren In Strahlungsverfärbtem KCl." <i>J. Phys. Chem. Solids</i>, Vol 23, 1962, pp. 677-681.</del>	
		<del>Margenau, et. al. "The Mathematics of Physics and Chemistry." <i>Yale University</i>, 1943, pp. 77-79.</del>	
		<del>Martienssen. "Photochemische Vorgänge in Alkalihalogenidkristallen." <i>Zeitschrift für Physik</i>, Vol 131, 1952, pp. 488-504.</del>	
		<del>Merzbacher, Eugen. "Quantum Mechanics." 1961, p. 198.</del>	
		<del>Messiah, Albert. "Quantum Mechanics." <i>Rutgers-The State University</i>, Vol 1, 1958, p. 150.</del>	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/669,887		
		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	<del>Unknown</del> 1745		
		Examiner Name	<del>Unassigned</del> Kalafut		
Sheet	49	of	50	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Mills. "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell." <i>Fusion Technology</i> . Vol 37, March 2000, pp. 157-182.	
		Mills. "Novel inorganic hydride." <i>International Journal of Hydrogen Energy</i> , Vol 25, 2000, pp. 669-683.	
		Mills, et. al. "Synthesis and characterization of potassium iodo hydride." <i>International Journal of Hydrogen Energy</i> , Vol 25, 2000, pp. 1185-1203.	
		Morse, et. al. "Methods of Theoretical Physics." <i>Massachusetts Institute of Technology</i> , Part 1: Chapters 1-8, 1953, pp. 808-903.	
		Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." <i>Journal of Fusion Energy</i> , Vol 9, No 3, pp. 30-37, 1990.	
		Park, Robert L. "Perpetual Motion: Still Going Around." <i>Washington Post</i> , January 12, 2000, pg H03.	
		Pauling, et. al. "Introduction to Quantum Mechanics with Applications to Chemistry." <i>Harvard University</i> , 1985, pp. 121-140.	
		Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, <i>Westinghouse STC</i> , Feb 1994.	
		Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.	
		Platt, Charles. "Testing the Current." <i>Washington Post</i> . June 25, 2000, pg X05.	
		Popov. "Electrochemical Characterization of BlackLight Power, Inc. MH as Electrodes for Li-ion Batteries." Department of Chemical Engineering University of South Carolina, Feb 2000.	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	09/669,887
Filing Date	September 27, 2000
First Named Inventor	<del>Mills</del> 1745
Group Art Unit	<del>Unknown</del> Kalafut
Examiner Name	Unassigned
Attorney Docket Number	62-231-1EL

Sheet ~~8~~ 50 of ~~8~~ 50**OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<del>Rauch et al. "Some F-Band Optical Oscillator Strengths in Additively Colored Alkali Halides." <i>Physical Review</i>, Feb 1, 1957, Vol 105, pp. 914-920.</del>	
		<del>Scheerer et al. "Microwave Saturation of Paraelectric-Resonance Transitions of OH<sup>-</sup> Ions in KCl:." <i>Solid State Communications</i>, Vol 4, 1966, pp. 639-642.</del>	
		<del>Schiff, Leonard I. "Quantum Mechanics." <i>Stanford University</i>, 1968, pp. 1, 7-8, 10-12, 21, 54-57, 60-61, 81-82, 101, 527.</del>	
		<del>Schrieder, et. al. "Search for Cold Nuclear Fusion in Palladium-Deuterium." <i>Z. Phys. B-Condensed Matter</i>, Vol 76, No 2, 1989, pp. 141-142.</del>	
		<del>Technology Insights. "Draft: Hydrocatalysis Technical Assessment." PACIFICORP, Aug 1996.</del>	
		<del>Thermacore, Inc. "SBIR Phase I Nascent Hydrogen: An Energy Source." Final Report, March 1994.</del>	
		<del>Thomas. "Zur Photocjemie des KH-KBR-Mischkristalles." <i>Annalen der Physik</i>, Vol 38, 1940, pp. 601-608.</del>	
		<del>Thorne, et. al. "Recombination during the Electrolysis of Light Water in 0.6 M K<sub>2</sub>CO<sub>3</sub> Can It Account for the Reports of Excess Heat?" <i>Departments of Physics and Chemistry, Brigham Young University</i>, June 1983.</del>	
		<del>Tolman, Richard C. "The Principles of Statistical Mechanics." <i>California Institute of Technology</i>, 1979, pp. 180-188.</del>	
		<del>Weisskopf, V.F. "Recent developments in the theory of the electron." <i>Reviews of Modern Physics</i>, Vol 21, No 2, 1949, pp. 305-315.</del>	
		<del>Wheeler, et. al. "Quantum Theory and Measurement." Translation of Heisenburg's Uncertainty Principle Paper, <i>Zeitschrift für Physik</i>, 1927, Vol 43, pp. 172-198.</del>	

Examiner Signature	/Stephen Kalafut/	Date Considered	12/09/2007
-----------------------	-------------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Unique citation designation number. \* Applicant is to place a check mark here if English language translation is attached